Examiner-Initiated Interview Summary	Application No. 10/676,844	Applicant(s) ITTEL ET AL.	
	Examiner KimbleAnn Verdi	Art Unit 2194	

All Participants:

(1) _KimbleAnn Verdi._

(2) _Charles L. Hamilton._

Status of Application: _____

(3) _____.

(4) _____.

Date of Interview: _7 February 2008_   **Time:** _1:00 pm_

Type of Interview:
☒ Telephonic
☐ Video Conference
☐ Personal (Copy given to: ☐ Applicant   ☐ Applicant's representative)

Exhibit Shown or Demonstrated: ☐ Yes   ☒ No
If Yes, provide a brief description:

Part I.

Rejection(s) discussed:
_n/a_

Claims discussed:
_1-8, 10-21_
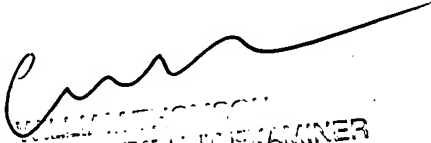
Prior art documents discussed:
_n/a_

Part II.

SUBSTANCE OF INTERVIEW DESCRIBING THE GENERAL NATURE OF WHAT WAS DISCUSSED:
Applicant agreed to ammend the claims 1-8 and 10-21 as presented in the examiner's amendment. Applicant authorized the ammendment to be made in an Examiner's Ammendment.

Part III.

☒ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview directly resulted in the allowance of the application. The examiner will provide a written summary of the substance of the interview in the Notice of Allowability.

☐ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview did not result in resolution of all issues. A brief summary by the examiner appears in Part II above.

SUPERVISORY PATENT EXAMINER

_____   _____
(Examiner/SPE Signature)   (Applicant/Applicant's Representative Signature – if appropriate)

FAX COVER SHEET

TO	Examiner K.C. Verdi
COMPANY	USPTO
FAX NUMBER	15712702654
FROM	Kitty Hussain
DATE	2008-02-07 21:54:04 GMT
RE	Application No. 10/676,844

COVER MESSAGE

Replacement copy (unblurry pages 1-7 and signed page 8).

www.efax.com

PAGE 1/9 * RCVD AT 2/7/2008 4:56:15 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-5/35 * DNIS:2702654 * CSID: * DURATION (mm-ss):03-06

Via facsimile 571-270-2654 ·   <u>PATENT</u>

<div align="right">Attorney Docket No.: 000005-005900US</div>

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	Confirmation No.: 3764
Jens Ittel	Examiner: Kimbleann C. Verdi
Application No.: 10/676,844	Technology Center/Art Unit: 2194
Filed: September 30, 2003	<u>SUPPLEMENTAL AMENDMENT</u>
For: SOFTWARE COMPONENT ARCHITECTURE	

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to a telephone conversation with the Examiner on February 7, 2008, please enter the following amendments and remarks. The applicant's undersigned attorney authorizes the Examiner to process this Supplemental Amendment as an Examiner's Amendment.

Amendments to the Claims are reflected in the listing of claims, which begins on page 2 of this paper.

Remarks/Arguments begin on page 7 of this paper.

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Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently amended) A computer program product, tangibly embodied in a machine-readable storage device comprising instructions operable to cause a data processing apparatus to:

    implement a reusable ~~software~~ component encapsulating functionality, multiple instances of the reusable component being usable at the same time;

        the reusable component having at least one visual representation;

        the reusable component having a programming interface for programmatic interaction with the reusable component;

        the reusable component having a data-binding interface for data communication with the reusable component; and

        the reusable component having a visual interface for access to the at least one visual representation of the reusable ~~component.~~ component;

    receive an event subscription directed to a subscribing component when the subscribing component has not been instantiated, the event subscription specifying subscriptions to one or more events generated by sub-components embedded by the subscribing component;

    cache events generated by the sub-components that are specified by the event subscription while the subscribing component has not been instantiated;

    forward any cached events to an instance of the subscribing component after the subscribing component is instantiated;

    receive one or more context mappings for a component, the context mappings being specified by a component embedder to exchange context data with the component, the context data comprising interface data and configuration data;

    if the component has not been instantiated, cache the specified context mappings; and

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<u>create the specified context mappings for the component after the component has been</u>
<u>instantiated.</u>

2.   (Original) The computer program product of claim 1, wherein the programming interface, the
data-binding interface, and the visual interface are separate interfaces.

3.   (Previously presented) The computer program product of claim 1, further comprising
instructions to implement one or more controllers for the reusable component, each controller
having an associated context for storing data and state for the controller.

4.   (Previously presented) The computer program product of claim 3, further comprising
instructions to implement one or more views for the reusable component, each view providing a
visual representation of the reusable component.

5.   (Previously presented) The computer program product of claim 1, further comprising
instructions to:
        embed a sub-component into the reusable component.

6.   (Original) The computer program product of claim 5 wherein the instructions to embed a
sub-component comprise instructions to:
        use a programming interface, a data-binding interface, and a visual interface of the
sub-component.

7.   (Currently amended) The computer program product of claim 1 wherein the programming
interface includes an interface controller having an interface controller context and a
configuration controller having a configuration controller context, the visual interface includes
an interface view, and the data-binding interface provides context mapping for the interface
controller context and the configuration <u>controller</u> context.

8.   (Currently amended) A computer program product, tangibly embodied in a machine-readable
storage device, the computer program product comprising instructions operable to cause <u>a</u> data

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processing apparatus to:

       implement an application runtime framework, the framework being operable to:

            receive a specification of a component interface to be used in an application without a specification of a corresponding component implementation, the component interface having a programming interface, a data-binding interface, and a visual interface; and

            instantiate a particular component implementation at application runtime, the particular component implementation being selected from one or more component implementations corresponding to the component ~~interface.~~ interface;

       receive an event subscription directed to a subscribing component when the subscribing component has not been instantiated, the event subscription specifying subscriptions to one or more events generated by sub-components embedded by the subscribing component;

       cache events generated by the sub-components that are specified by the event subscription while the subscribing component has not been instantiated;

       forward any cached events to an instance of the subscribing component after the subscribing component is instantiated;

       receive one or more context mappings for a component, the context mappings being specified by a component embedder to exchange context data with the component, the context data comprising interface data and configuration data;

       if the component has not been instantiated, cache the specified context mappings; and

       create the specified context mappings for the component after the component has been instantiated.

9. (Canceled)

10. (Canceled)

11. (Canceled)

12. (Currently amended) A ~~computer-implemented~~ method, comprising:

       implementing a reusable ~~software~~ component encapsulating functionality, multiple

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instances of the reusable component being usable at the same time;

the reusable component having at least one visual representation;

the reusable component having a programming interface for programmatic interaction with the reusable component;

the reusable component having a data-binding interface for data communication with the reusable component; and

the reusable component having a visual interface for access to the at least one visual representation of the reusable component; and

storing the reusable ~~component~~ component;

receiving an event subscription directed to a subscribing component when the subscribing component has not been instantiated, the event subscription specifying subscriptions to one or more events generated by sub-components embedded by the subscribing component;

caching events generated by the sub-components that are specified by the event subscription while the subscribing component has not been instantiated;

forwarding any cached events to an instance of the subscribing component after the subscribing component is instantiated;

receiving one or more context mappings for a component, the context mappings being specified by a component embedder to exchange context data with the component, the context data comprising interface data and configuration data;

if the component has not been instantiated, caching the specified context mappings; and

creating the specified context mappings for the component after the component has been instantiated.

13. (Previously presented) The method of claim 12, wherein implementing the reusable component comprises:

implementing the reusable component having the programming interface, the data-binding interface, and the visual interface as separate interfaces.

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14. (Previously presented) The method of claim 12, further comprising:

implementing one or more controllers for the reusable component, each controller having an associated context for storing data and state for the controller.

15. (Previously presented) The method of claim 14, further comprising:

implementing one or more views for the reusable component, each view providing a visual representation of the reusable component.

16. (Previously presented) The method of claim 12, further comprising:

embedding a sub-component into the reusable component.

17. (Original) The method of claim 16, wherein embedding the sub-component comprises:

using a programming interface, a data-binding interface, and a visual interface of the sub-component.

18. (Currently amended) The method of claim 12, wherein implementing the reusable component comprises:

implementing the reusable component having the programming interface including an interface controller having an interface controller context and a configuration controller having a configuration controller context, the visual interface including an interface view, and the data-binding interface providing context mapping for the interface controller context and the configuration controller context.

19. (Canceled)

20. (Canceled)

21. (Canceled)

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REMARKS/ARGUMENTS

The present amendment is submitted in accordance with the Revised Amendment Format.

Claims 1-8 and 10-21 were pending.

Claims 1, 7-8, 12 and 18 have been amended.

Claims 10-11 and 19-21 have been canceled without prejudice.

It is respectfully submitted that all amendments are fully supported by the specification and no new matter has been added.

Claims 1-8 and 12-18 are now pending.

Reconsideration and allowance in view of the amendments and remarks is respectfully requested.

Telephone Interview with Examiner

On February 7, 2008, the undersigned attorney conducted a telephone interview with Examiner Verdi. The applicant's undersigned attorney thanks the Examiner for her time and consideration of the application.

The features of claims 10-11 were discussed in relation to the art of record. It was agreed that the art of record, either alone or in combination, does not teach, indicate or suggest the features of claims 10-11 when combined with the other independent claims 1, 8 and 12. Accordingly, the features of claims 10-11 have been incorporated into the other independent claims 1, 8 and 12.

The features of claims 19-21 were discussed in relation to the specification and the other pending claims. In order to expedite prosecution, claims 19-21 have been canceled without prejudice.

The Examiner also provided helpful suggestions regarding typographical and antecedent basis issues that have been addressed in the other claim amendments as set forth above.

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CONCLUSION

In view of the foregoing, Applicants believe all claims now pending in this Application are in condition for allowance. The issuance of a formal Notice of Allowance at an early date is respectfully requested.

If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at 408-244-6319.

Respectfully submitted,

Charles L. Hamilton
Reg. No. 42,624

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CLH

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